

Enkele voorbeelden van problemen uit de opgavenset voor 2011

E3 betekent Ecolier, 3 punten. Ecolier is het internationale woord voor wizKID of groep 5/6. B betekent Benjamin, het internationale woord voor wizSMART of groep 7/8 (en onderbouw vmbo).

U vindt hierna 6 opgaven uit de set Ecolier (wizKID) en 6 opgaven uit de set Benjamin (wizSMART) waaruit kon worden gekozen voor de opgaven van maart 2011. De selectie hieronder bevat zowel gekozen als niet-gekozen opgaven.

Welke opgaven zou u wel of juist niet kiezen?

Waarom (niet)?

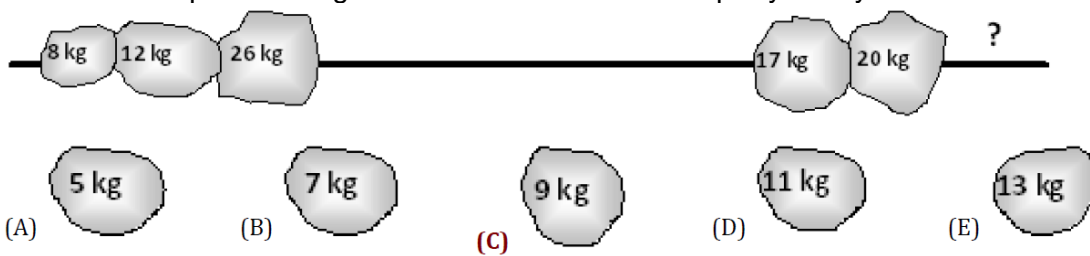
Welke aanpassingen zou u eventueel doen?

Originele (ruwe) versie Ecolier

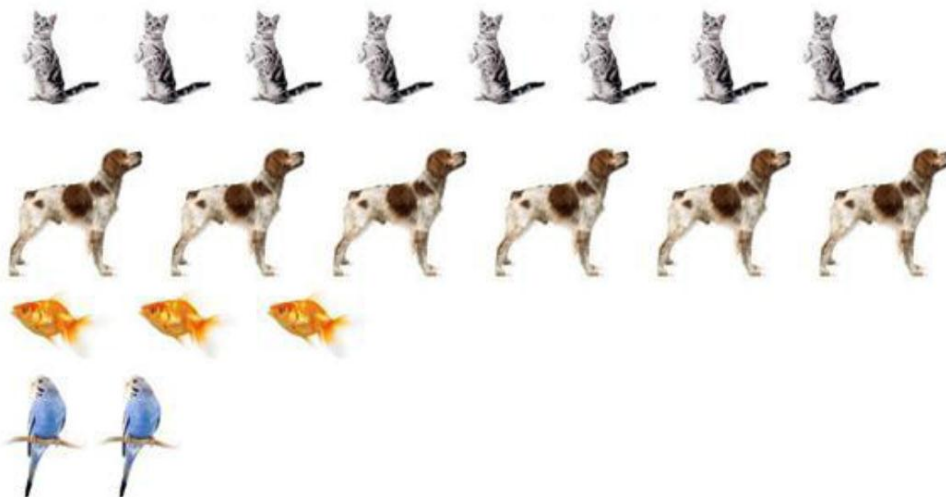
1. (E3, #510, Algebra) $100000 \cdot 44444 =$

(A) 55556 (B) 59999 (C) 65555 (D) 65556 (E) 66666

4. (E3, #718, Algebra) An ogre Flint was preparing himself a barbell for weightlifting. Which stone should he put on its right side to have both sides equally heavy?



27. (E3, #789, Number) In a school class all pupils have at least one pet. The pupils have recorded how many pets they have all together. Among the pupils there are two having both a dog and a fish. Three of the pupils have both a cat and a dog. How many pupils are there in this class?



(A) 11 (B) 12 (C) 13 (D) 14 (E) 15

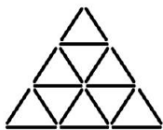
29. (E3, #825, Number) Simon has got up one hour and a half ago. He feels happy because, three hours and a half later, he will take the train. He got up ...

- (A) 2 hours before train departure
- (B) 3 hours and a half before train departure
- (C) 4 hours before train departure
- (D) 4 hours and a half before train departure
- (E) 5 hours before train departure

31. (E3, #1046, Number) Kate makes a necklace. She starts with 10 yellow pearls, after that 10 red pearls, after that 10 yellows, etc. Which 2 pearls have the same colour?

- (A) 3. and 33. (B) 60. and 16. (C) 24. and 89. (D) 73. and 45. (E) 55. and 6.

43. (E4, #619, Geometry) The figure is formed by 18 identical matches. You can find 13 triangles in it.



What is the maximal number of these triangles that can be “destroyed” by removing exactly one match?

- (A) 1 (B) 2 (C) 3 (D) 4 (E) 5

